

## **Claims**

1. A strap fastener set including a strap fastener for winding a first strap and a gauge provided between the strap fastener and a second strap, wherein the gauge includes:
  - a cylinder tied with the second strap, the cylinder including a window defined therein and a scale provided thereon along the window;
  - a first ring secured to the cylinder;
  - a spring put in the cylinder;
  - a rod extending past the ring through the spring for connection with the strap fastener; and
  - a second ring secured to the rod so that it is moved relative to the cylinder so as to compress the spring against the first ring as a tensile force is exerted on the straps, the second ring including an indicator formed thereon for cooperation with the scale in order to provide a reading of the tensile force.
2. The strap fastener set according to claim 1 wherein the first ring is integrally formed on an internal side of the cylinder.
3. The strap fastener set according to claim 1 wherein the second ring is integrally formed on the rod.
4. The strap fastener set according to claim 1 including a joint for connecting the rod with the strap fastener.
5. The strap fastener set according to claim 4 wherein the joint includes a middle section pivotally connected with the rod and two terminal sections pivotally connected with the strap fastener.
6. The strap fastener set according to claim 1 including a third ring

1       secured to the cylinder for connection with the second strap.

2   7.   The strap fastener set according to claim 6 wherein the third ring is  
3       integrally formed on an internal side of the cylinder.

4   8.   The strap fastener set according to claim 6 including a bolt secured  
5       to the third ring for connection with the second strap.

6   9.   The strap fastener set according to claim 8 wherein the bolt is  
7       integrally formed on to the third ring.

8   10. The strap fastener set according to claim 8 including a joint for  
9       connecting the second strap with the bolt.

10  11. The strap fastener set according to claim 8 wherein the joint includes  
11       a middle section pivotally connected with the bolt and two terminal  
12       sections for supporting a pin to which the second strap is tied.

13  12. The strap fastener set according to claim 1 wherein the straps are  
14       integrated with each other.

15  13. The strap fastener set according to claim 1 wherein the strap fastener  
16       includes base, a reel pivotally put on the base, a lever pivotally  
17       installed on the reel, two ratchet wheels secured to the reel, a first  
18       detent movably installed on the base for engagement with the ratchet  
19       wheels and a second detent movably installed on the lever for  
20       engagement with the ratchet wheels, and the lever can be pivoted  
21       relative to the base so as to provide a one-way rotation of the reel via  
22       cooperation of the detents with the ratchet wheels.

23  14. A strap fastener set including a strap fastener for winding a first strap  
24       and a gauge tied with a second strap, wherein the gauge includes:  
25       a cylinder tied with the second strap, the cylinder including a window

1 defined therein and a scale provided thereon along the window;  
2 a cap including a cylindrical portion secured to the cylinder and an  
3 annular portion formed on the cylindrical portion;  
4 a spring put in the cylinder;  
5 a rod extending past the annular portion of the cap via the spring for  
6 connection with the strap fastener; and  
7 a ring secured to the rod so that it is moved relative to the cylinder so  
8 as to compress the spring against the annular portion of the cap as a  
9 tensile force is exerted on the straps, the ring including an indicator  
10 formed thereon for cooperation with the scale in order to provide a  
11 reading of the tensile force.

- 12 15. The strap fastener set according to claim 14 wherein the cylindrical  
13 portion of the cap is integrally formed on an internal side of the  
14 cylinder.  
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